IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
OCT 28 2002
TECHNOLOGY CENTER 2800

In Re Application of:
RUTH, DOUGLAS ALAN et al.

OIPE JC135 OCT 24 2002 PATENT & TRADEMARK OFFICE

Serial No.: 09/774,450 :Examiner: Maples

Filed: January 30, 2001 :Art Unit: 3456

Title: Brazed Ceramic Seal for Batteries with Titanium-Titanium-6Al-4V Cases

RECEIVED
OCT 31 2002
TC 1700

Honorable Commissioner for Patents
Washington, D.C. 20231-0001

ELECTION AND PRELIMINARY AMENDMENT

In response to the restriction requirement of October 10, 2002, the applicant elects Group I. It is submitted that the new claims 16-43 added herein correspond to Group I.

Prior to examining the application, please amend the above-identified application as follows:

In the Specification:

On Page 1, the paragraph beginning at line 32, please substitute the following paragraph:

Figure 2 shows the ceramic ring sandwich with the ceramic ring between a ring of Ti and a different ring of Ti-6Al-4V, and the gold-based braze.

On Page 2, the paragraph beginning at line 6, please substitute the following paragraph:

The battery (1), as shown in Figure 1, is constructed of a titanium alloy cylinder (2), the alloy being Ti-6Al-4V. This alloy is principally titanium with 6% aluminum and 4% vanadium, with oxygen, nitrogen, carbon, hydrogen, and iron typically present as trace elements. One end cap (3), which completes the bottom of the positive casing, is also of the titanium alloy Ti-6Al-4V. The ceramic ring sandwich (20) is shown in Figures 1 and 2. First looking at Figure 2, the ceramic ring (21) is brazed by the gold alloy braze (24) to a ring of titanium (23) and to another ring of Ti-6Al-4V (22). The gold alloy braze (24) is one that contains more than 50% gold by weight. A specific type of gold alloy braze (24) is 96.4%

10/28/2002 MBIZUNES 00000071 500921 09774450
01 FC:2202 72.00 CH